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WO 2004/033741 A1 (54) Title of the invention: MARAGING STEEL GOLF CLUB HEAD

(57) **Abstract:** The invention concerns a golf club head whereof the strike surface zone at least is made of maraging steel essentially consisting of 6.0 to 9.0 wt. % of nickel, 11.0 to 15.0 wt. % of chromium, 0.1 to 0.3 wt. % of titanium, 0.2 to 0.3 wt. % of beryllium, the rest being iron and impurities resulting from production, the temperature of the martensitic phase being  $M_s \geq 130^\circ\text{C}$  and the ferrite content being adjusted at  $^\circ\text{Ferrit} < 3\%$ . Said maraging steel typically exhibits tensile strength  $R_m$  of about 2800 MPa, yield strength  $R_{p0.2}$  of about 2600 MPa, Vickers hardness  $> 800$  and alternating flexure strength  $\sigma_{bw}$  of about 1550 MPa.